

WHAT IS CLAIMED IS:

1. A motor comprising:

a rotor;

a rotary shaft inserted and fixed into said rotor;

a stator core constituting a stator opposed to said rotor;

an output side bearing provided on an output side of said rotary shaft, and supporting a portion near an output portion of said rotary shaft; and

an opposite side bearing holding portion for holding an opposite side bearing supporting an opposite side to the output side of said rotary shaft;

wherein said stator core, said output side bearing and said opposite side bearing holding portion are integrally formed by insert molding, and said output side bearing and the opposite side bearing holding portion are made of resin.

2. A motor according to Claim 1, wherein a lead screw is formed at the output portion and a rotation of said lead screw directly affects an operated member.

3. A motor according to Claim 1, wherein a hole having an inner diameter larger than an outer diameter of said rotor is formed in said opposite side bearing holding

portion.

4. A motor according to Claim 3, wherein said opposite side bearing is constituted by an axially movable slide bearing, which is disposed in said hole and urged toward the output portion side; and an end of said rotary shaft is supported by said opposite side bearing.

5. A motor comprising:

a rotor;

a rotary shaft inserted and fixed into said rotor;

a stator core constituting a stator opposed to said rotor; and

an output side bearing provided on an output side of said rotary shaft, and supporting a portion near an output portion;

wherein said output side bearing is made of a resin, and said stator core and said output side bearing are integrally formed by insert molding, and

wherein a lead screw is formed on said rotary shaft from said output portion of said rotary shaft to a portion which is opposed to an inner surface of said output side bearing; and

wherein lubricant is filled in a gap formed between said lead screw and said output side bearing.